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TO: Exr. Arnold M. Kinhead, Art Unit 2817  
COMPANY: U.S. PATENT & TRADEMARK OFFICE  
FAX: 703-872-9306  
FROM: Steven Lin, Reg. No. 35,250  
DATE: June 9, 2005  
SUBJECT: USSN 10/665,164  
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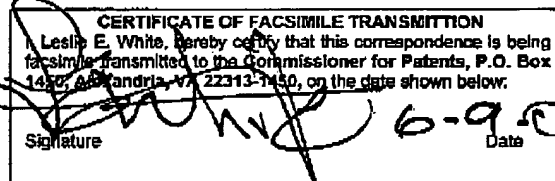
Attorney Docket No. 1437-CA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : John Melanson  
Appl. No. : 10/665,164  
Filed : September 18, 2003  
Title : LOW-NOISE LOOP FILTER FOR A PHASE-LOCKED LOOP  
SYSTEM

Grp/A.U. : 2817  
Examiner : Arnold M. Kinkead

Docket No. : 1437-CA



**RESPONSE AND AMENDMENT TO NON-FINAL OFFICE ACTION**  
**UNDER 37 CFR SEC. 1.111**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Examiner Arnold M. Kinkead:

**Introductory Comments**

This response and amendment is submitted in response to the non-final Office Action dated March 9, 2005 having a shortened statutory period set to expire June 9, 2005.

Please amend the above-identified application as indicated below.